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(54) Title: <b>INTERIORLY PARTITIONED VAPOR INJECTOR FOR DELIVERY OF SOURCE REAGENT VAPOR MIXTURES FOR CHEMICAL VAPOR DEPOSITION</b>			
(57) Abstract			
<p>A shower dispenser (2) for mixing plural vapor streams, comprising: a housing (10) including front and rear walls (12, 14) and a side wall (16) therebetween, defining an interior volume (15); the front wall having a multiplicity of vapor mixture discharge openings (20) therein, for discharging mixed vapor from the housing, flow passages (24) joined to the housing for introducing fluids into the housing; and at least one baffle plate (18) mounted in the interior volume of the housing, the baffle plate and side wall forming an annular flow passage (21) therebetween and the baffle plate having at least one of the respective fluids directed thereagainst upon introduction to the interior volume of the housing, for distribution thereof in the interior volume of the housing. The baffled showerhead dispenser is usefully employed to form thin films by CVD of highly uniform composition and thickness.</p>			
<img alt="A detailed technical drawing of a shower dispenser assembly. The drawing shows a top view of a rectangular housing (10) with a front wall (12), a side wall (16), and a rear wall (14). A baffle plate (18) is mounted within the housing. The front wall (12) features several circular vapor mixture discharge openings (20). Flow passages (24) are shown on the side and rear walls. A pump assembly at the bottom is connected to the flow passages. Various reference numerals are used throughout the drawing to label specific parts like 74, 76, 72, 70, 10, 12, 14, 16, 18, 20, 21, 24, 50, 52, 54, 62, 64, 66, 68, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 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